

**SECRET**

NPIC/TSSG/DED-1693-69

3 July 1969

MEMORANDUM FOR: Chief, Imagery Exploitation Group

SUBJECT: Technique Evaluation Team for Automatic Target Indexing Device (ATID)

1. The Center is currently in Phase IV of its Automatic Target Recognition (ATR) Program with DSD [redacted]. The present contract, dated 12 May 1969, is for a sixteen month period with approximately 80% of the effort being devoted to the design and fabrication of an ATID.

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2. During the previous phase of this contract, the feasibility of automating the target indexing function was shown using two techniques:

- a. Optical (diffraction pattern sampling)
- b. Electronic (electronic clue extraction)

3. In order to proceed with the final design of the ATID, a decision must be made as to which technique will be used. Since both techniques show considerable promise, comparative investigation and testing will be continued as long as possible. However, in order to proceed with final design and fabrication, a technique decision must be made by 29 August. [redacted] will provide the principal technical inputs as well as their technique recommendation.

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4. In order that the final technique decision reflect all of the Center concerned components, an evaluation team is being formed under the direction of DED. It is requested that you appoint a representative from your organization to serve on this team. A team procedural meeting is scheduled for 15 July in the DED conference room on the 5th floor. For additional information contact the project officer; [redacted]

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[redacted]  
Chief, Technical Services & Support Group  
NPIC

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Approved For Release 2003/12/19 : CIA-RDP78B05171A000800070005-0  
NPIC/TSSG/DED/SRB [redacted] (2 JULY 69)

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